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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO	
09/493,063	01	1/28/2000	Eiji Morifuji	PM 266202 1728	
909	7590	01/30/2002			
PILLSBUR			EXAMINER		
	1600 TYSONS BOULEVARD MCLEAN, VA 22102			LEE, EUGENE	
				ART UNIT	PAPER NUMBER
				2815	
			DATE MAILED: 01/30/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	App. mt(s)				
6 ,	09/493,063	MORIFUJI, EIJI				
Office Action Summary	Examiner	Art Unit				
	Eugene Lee	2815				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be tim y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
4) \(\sigma \) Decrease is a communication (a) filed on 28	January 2000 .					
2a)⊠ This action is FINAL . 2b)⊠ Th	is action is non-final. Should	be non-finil				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	,	I see well do				
4)⊠ Claim(s) <u>1-4,6-11 and 13⊭17</u> is/are pending in	the application.	os 14,15 were without paper no, 12				
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1-4,6-11 and 13-17</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) acce	pted or b)⊡ objected to by the Exa	miner.				
Applicant may not request that any objection to the						
11) The proposed drawing correction filed on 14 Se	eptember 2001 is: a)⊠ approved	b) disapproved by the Examiner.				
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120		•				
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)☐ Some * c)☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
- 2. Claims 1 thru 4, 7 thru 11, 16 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Ma et al. '753. Ma shows (see, for example, FIG. 8) a semiconductor device comprising a substrate 11, MOSFET 115, metallization regions (first interconnection) 133, heavily doped region (high concentration impurity diffused region) 89, metallization regions (second interconnection) 135, and titanium silicide region (low resistance layer) 99. A field oxide layer (device isolation film) 38 envelopes the heavily doped region.
 - a. Regarding claim 4 and 11, see column 8, lines 37-47.
 - Regarding claim 7 and 8, the metallization regions 135 are electrically coupled to polysilicon plates (polysilicon layer) 44, 56 which lie above a field oxide layer 38.
 Also, a titanium silicide region 107 resides on top of the polysilicon plates.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill

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in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 6 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ma et al. '753 as applied to claims 1 thru 4, 7 thru 11, 16 and 17 above, and further in view of Battersby et al. '065. Ma does not disclose a plurality of MOSFETs disposed in a comb-like shape on the semiconductor substrate forming an amplifier stage. However, Battersby discloses (see, for example, FIG. 2) MOSFETs formed in a comb-shaped structure as an amplifier element. Battersby teaches that this comb-shaped structure reduces leakage currents and parasitic capacitances in amplifier elements. See, for example, abstract. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to use a comb-shaped structure so that leakage current and parasitic capacitances are reduced in amplifier elements.

Response to Arguments

5. Applicant's arguments with respect to claims 1 thru 4, 7 thru 11, 16 and 17 have been considered but are most in view of the new ground(s) of rejection.

Regarding applicant's argument that elements 135, 89 and 99 are disclosed as portion of the DPC 57, not IGFET 115, this is considered not persuasive since this does not dissuade from the limitations stated in the claims.

INFORMATION ON HOW TO CONTACT THE USPTO

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Lee whose telephone number is 703-305-5695. The examiner can normally be reached on M-F 8-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C. Lee can be reached on 703-308-1690. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Eugene Lee November 24, 2001

EDDIE LEE

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800